Welcome to today’s Infopeople Webinar!

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The Art of Coding
An Infopeople Webinar
April 27, 2017

Presented by Sylvia Aguiñaga
DIY ("Do-It-Yourself") Girls increases girls’ interest and success in technology, engineering, and making through engaging hands-on projects and solid mentor relationships.

We want girls to apply the tech skills they learn with us to projects they love, for a community they care about.
WHAT?
WHAT.
Computational Thinking is the process of expressing your thinking in a formal structure that a computer can process. Similar to writing notes on a piece of paper to “get your thoughts down,” creating a program allows people to externalize their thoughts in a form that can be manipulated and scrutinized. Programming allows students to think about their thinking; by debugging a program, students debug their own thinking (Papert, 1980).
DIY Girls
FAIL.
Let’s try it.
Open Processing

open openprocessing.org in Chrome
```javascript
function setup() {
  createCanvas(windowWidth, windowHeight);
  background(100);
}

function draw() {
  ellipse(mouseX, mouseY, 20, 20);
}
```
Protocols that help
Debug
Reflect

Something I would like to do today is learn something even though I struggle with it. Something that'll help me push through is thinking that at least I'll learn something.

End write: Today was nice, as I was able to figure out how to get through the problems. Also #Itwasluis I was able to help Nathan by telling him what he could do to fix his problem.
Let’s talk. Bring struggle out of the shadows.
Write tiny tweets about how you felt at the time.

(talk with a neighbor and then share)
Tell me about the hardest bit of code you debugged today.

(write in your journal, talk with a neighbor, and then share)
How did you feel when you found your code broke?

(write in your journal, talk with a neighbor, and then share)
What were some successful approaches to debugging?

(write in your journal, talk with a neighbor, and then share)
Inspiration

Challenges

Successes
DIY girls

OUR MISSION

DIY ("Do-It-Yourself") Girls' mission is to

increase girls' interest and success in technology, engineering,

and making through innovative educational experiences and

mentor relationships. We strive to create a supportive community for girls

driven by an interest in creating and building with technology.

DIY Girls runs a five-part program approach that includes workshops,

workshops, and club nights to offer girls in the San Francisco Bay Area

and Los Angeles opportunities to learn new skills in Art and Math experiences

from technical artists and leaders from the community.

DIY Girls has reached over 1,000 girls in Los Angeles

since 2014. www.diygirls.org

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DIYing to Code

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your family to go into a STEM

career?

Processing

Education

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Join our free online

workshops to

learn how to code,

build a robot,

and more!

www.diygirls.org

DIY Girls is looking for volunteers to help teach our online

workshops. Visit www.diygirls.org to learn how to get

involved and volunteer.

www.diygirls.org

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